CLAIMS

1. A liquid drug container comprising a container body having a mouth and being deformable under the pressure; a cap-shaped nozzle member liquid-tightly mounted on the mouth of the container body; and a nozzle cap mounted on the nozzle member; wherein said nozzle member is provided with an air hole covered with a hydrophobic filter, wherein a nozzle hole of said nozzle member is covered with a hydrophilic filer, and wherein said nozzle cap is provided with a sealing portion for sealing a tip of the nozzle hole of said nozzle member.

2. The liquid drug container according to claim 1, wherein said nozzle member comprises a top wall, a skirt portion extending from a peripheral portion of the top wall toward a proximal end of the nozzle member, and a nozzle extending from a central portion of the top wall toward a distal end of the nozzle member, and wherein said nozzle hole passes through the top wall of the nozzle member and extends to the tip of the nozzle, and is covered with the hydrophilic filter on the inner side of said top wall, and wherein said nozzle member is provided with the air hole passing through the top wall thereof separate from the nozzle hole.

3. The liquid drug container according to claim 2,

wherein the hydrophilic filter and hydrophobic filter are in the form of a flat membrane, and wherein respective filters are fixed by welding to the inner side of the top wall of the nozzle member so as to cover the nozzle hole or air hole, respectively.

4. The liquid drug container according to claim 3, wherein said nozzle member is provided on the inner side of the top wall thereof with a set of grooves communicated with the nozzle hole and a set of grooves communicated with the air hole, and wherein said filters are welded to the inner side of said top wall so as to cover said sets of grooves, respectively.

5. The liquid drug container according to claim 1, wherein said hydrophilic filter and hydrophobic filter have a bore size of 0.45 μm or below.

6. The liquid drug container according to claim 5, wherein said hydrophilic filter and hydrophobic filter have a bore size of 0.22 μm or below.

7. The liquid drug container according to claim 1, wherein said hydrophilic filter and hydrophobic filter are arranged separate from each other on upper and lower sides of the top wall so as not to interfere with each other.

8. The liquid drug container according to claim 7, wherein the nozzle member is provided with a filter-mounting member, said filter-mounting member including a

disc-shaped wall portion which is in close contact with the top wall of said nozzle member and is provided with a nozzle-communicating hole and an air-communicating hole, both of which are respectively communicated with said nozzle hole and air hole, wherein said disc-shaped wall portion is provided on its one side with the hydrophilic filter for covering said nozzle-communicating hole and on the other side with hydrophobic filter for covering said air-communicating hole, and wherein said filter-mounting member is arranged between mouth portion of the container body and said nozzle member.

9. The liquid drug container according to claim 7, wherein the hydrophilic filter and hydrophobic filter are in the form of a flat membrane, each filter being fixed by welding to the filter-mounting member so as to cover the nozzle-communicating hole or air-communicating hole, respectively.

10. The liquid drug container according to claim 7, wherein said filter-mounting member is provided with a set of grooves communicated with the nozzle-communicating hole, and a set of grooves communicated with the air-communicating hole, and wherein said filters are welded to said filter-mounting member so as to cover said grooves, respectively.

11. The liquid drug container according to claim 1,

wherein the nozzle member is provided with a flow control member that controls air flowing into the container body from the outside through the air-communicating hole.

12. The liquid drug container according to claim 11, wherein said nozzle member comprises a top wall covering the mouth of said container body, and a skirt portion extending from a peripheral portion of said top wall, and wherein said nozzle member is provided with a flow control member that controls air flowing into the container body from the exterior of the container body, said flow control member being arranged in the air hole provided in said top wall of the said nozzle member.

13. The liquid drug container according to claim 11, wherein said nozzle member is provided with a filter-mounting member having a nozzle-communicating hole communicated with the nozzle hole and an air-communicating hole communicated with the air hole, and wherein said filter-mounting member is provided with the hydrophilic filter covering said nozzle-communicating hole, and the hydrophobic filter covering said air-communicating hole, said air-communicating hole being provided with a flow control member that controls the air flowing into the container body from the exterior of the container body.

14. The liquid drug container according to claim 11, wherein said flow control member is a check valve.

15. The liquid drug container according to claim 11, wherein said flow control member is a diaphragm.